

FIG. 1

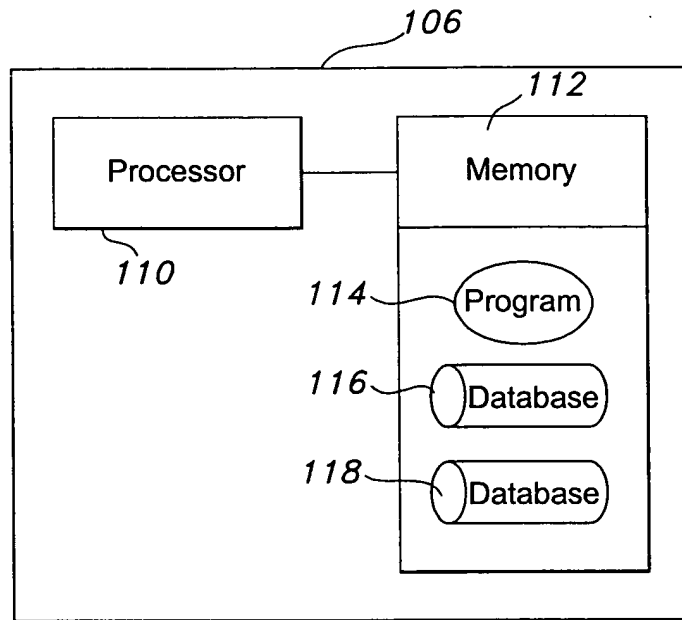


FIG. 1A

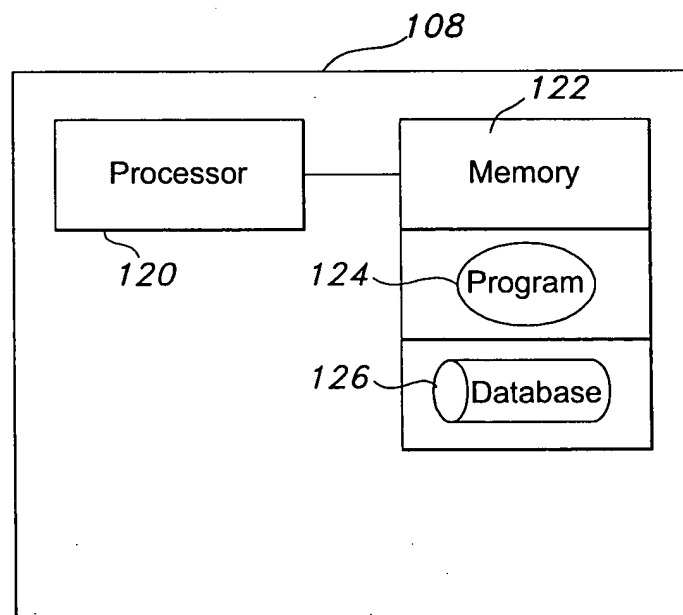


FIG. 1B

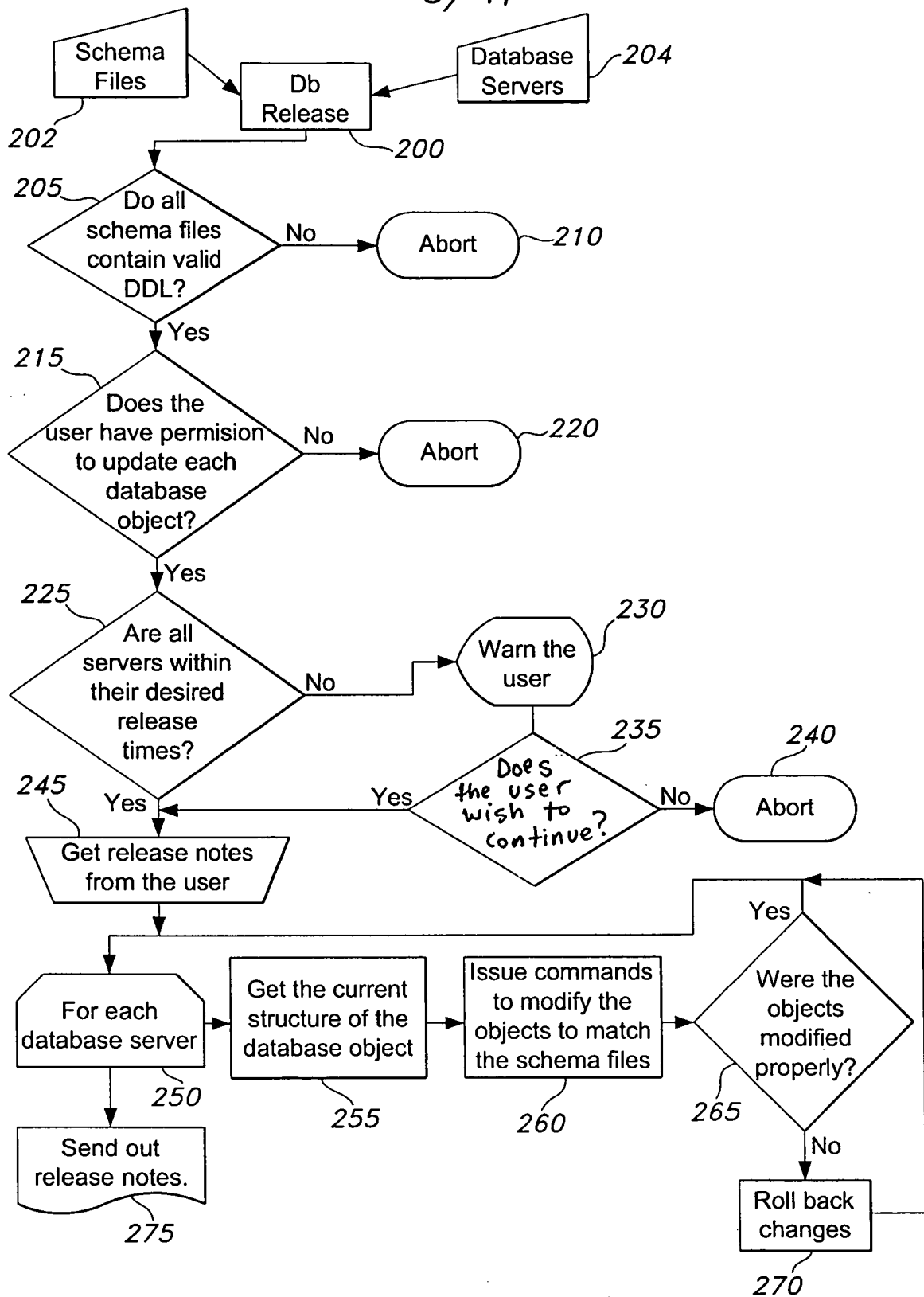


FIG. 2

300

303
/*! This table defines permissions for individual users or user groups defined in the TABLE:user_group table. If the permission is a portfolio permission it is further limited to a fund or portfolio group defined in the TABLE:port_group table. */

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305
CREATE TABLE permission
(user_group char(25) , /*! User group or employee login. User group names must exist in TABLE:user_group and employee logins must exist in TABLE:employees or TABLE:user_group_expand. */
perm_type char(20) , /*! The type of the permission granted. Must be defined in the TABLE:permission_types table. */
perm_group char(225) /*! For portfolio based permission this is the group that must be defined in port_group. For other types of permissions this should be set to *. */
portfolio
) go

FIG. 3

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400

BlackRock Database - permissions Table

File Edit View Favorites Tools Help

permissions Table

from hfmdb.dbo.permissions

402 Permissions
Associated Indices
Associated Key(s)
Check Constraint(s)
Associated Trigger

More Info 404

SYBPRO go 405

Description:

403 This table defines permissions for individual users or user groups defined in the user_group table. if the permission is a portfolio permission it is further limited to a fund or portfolio group defined in the port_group table.

Contents:

406

Column Name	Datatype	Nullable	Description	Default/Rule	Constraints
user_group	char(25)	NO	User group or employee login. User group names must exist in <u>user_group</u> and employee logins must exist in <u>employees</u> or <u>user_group expand</u> .		
perm_type	char(20)	NO	The type of the permission granted. Must be defined in the <u>permission types</u> table.		
perm_group	char(255)	NO	For portfolio based permissions this is the portfolio group that must be defined in <u>port_group</u> . For other types of permissions this should be set to *.		

Permissions for Objects

/ul/build/dev/sql/bfmdb/permissions.pers

Default Server(s):

408

Group/User/Role	Type of Permission
tsgops	<ul style="list-style-type: none"> Grant Delete Grant Insert Grant Update

FIG. 4A

Database Server SYBPRD

Database:bfmdb

Object Name:permissions

- Schema of Object on Database
- DB Schema Diffs
- Perms Schema Diffs
- Perms Schema on Database
- Index Schema Diffs
- Index Schema on Database

502

Size of Object: 5106 KB

Number of Rows: 6060

Creation Date: Jan 14 1999 11:35AM

Sample Data:

504

user_group	perm_type	perm_group
ANSER_users	ANSER	*
NATE_TEST	ANSER	*
account-trade	ANSER	*
admin-fi	ANSER	*
admin-pam	ANSER	*

dbRelease Info:

506

dbname	bfmdb
filename	/u1/build/dev/sql/bfmdb/permissions.idx
objname	permissions
prevtag	dropped
reluser	kkasivis
tag	2003/08/22 21:35:28 1.4 3245967771
time	Sep 2 2003 6:50PM
type	idx

500

dbname	bfmdb
filename	/u1/build/dev/sql/bfmdb/permissions.perms
objname	permissions
prevtag	2002/04/03 20:26:03 1.1 1244501761

506

A ← → A

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Figure 5A

A

reluser	release
tag	2002/04/03 20:26:03 1.1 1244501761
time	Jun 1 2002 12:00AM
type	perms

506

dbname	bfndb
filename	/u1/build/dev/sql/bfndb/permissions.tbl
objname	permissions
prevtg	2003/06/27 15:20:01 1.5 3576061281
reluser	kkasivis
tag	2003/08/28 01:11:03 1.6 1675809671
time	Sep 2 2003 6:43PM
type	tbl

506

Figure 5B

Schema of Object on Database:

508

```
CREATE TABLE permissions
( user_group char(15) NOT NULL,
  perm_type char(10) NOT NULL,
  perm_group char(10) NOT NULL
)
go
```

500

Server Config Diff:

```
ALTER TABLE permissions
  MODIFY perm_group char(255) NOT NULL
  MODIFY user_group char(25) NOT NULL
  MODIFY perm_type char(20) NOT NULL
go
```

510

B

B

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Permissions Schema on Database:

<u>Perms Schema of permissions</u>	
GRANT Select ON permissions TO public	512
go	
<u>Perms Schema Diff. of permissions</u>	
GRANT Delete ON permissions TO tsgops	514
GRANT Insert ON permissions TO tsgops	
GRANT Update ON permissions TO tsgops	
GRANT Delete ON permissions TO webprod	
GRANT Insert ON permissions TO webprod	
GRANT Update ON permissions TO webprod	
go	

500

Figure 5C

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Index Schema on Database:

CREATE UNIQUE CLUSTERED INDEX idx_permissions_clust ON permissions (perm_type, user_group, perm_group)
go

Index Schema Diff:

/* /u1/build/dev/sql/bfndb/permissions.idx matches database schema. */ _____ 518

```

% dbrelease bfmdb/permissions.tbl
Verifying all files meet release criteria .

Beginning release to SYBDEV

Releasing bfmdb/permissions.tbl...
database matches file; nothing needs to be changed

Finished successful release to SYBDEV

Beginning release to SYBPRD

Releasing bfmdb/permissions.tbl...
dbrelease will run the following mod commands:
1:      ALTER TABLE permissions
2:      MODIFY user_group char(25) NOT NULL
3:      MODIFY perm_type char(20) NOT NULL
4:      MODIFY perm_group char(255) NOT NULL
5:      go

Finished successful release to SYBPRD

SUCCESSFUL DESTINATIONS (2) : SYBDEV, SYBPRD

Sending release notes .... done
%
```

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FIG. 6

Release notes for bfmdb/permissions.tbl
by bgmackay, Tue Sep 2 18:43:48 2003

SUCCESSFUL DESTINATIONS (2) : SYBDEV, SYBPRD

CHANGES : Extend the width of some columns.

REASON : Supports changes for the New Employee project.

The permissions app has been re-tested/approved by CSG against SYBDEV.

START DATE : now

TEAM : dba, mhochber

REQUEST LOG ENTRIES ADDRESSED:

SENTINEL : <Outlook://Public Folders/All Public Folders/BlackRock
Public Folders/Sentinel/Sentinel Requests/-BLKBRS-3238>

BUILD INFO :
bfmdb/permissions.tbl: 2003/08/28 01:11:03 1.6 1675809671.

700

FIG. 7